FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Attorney Docket Number 3477.91	Serial No. 09/744,167
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U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes | No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	1.	Abdollah, S., Macías-Silva, M., Tsukazaki, T., Hayashi, H., Attisano, L., and Wrana, J.L. (1997). TßRI phosphorylation of Smad2 on Ser 465 and 467 is required for Smad2/Smad4 complex formation and signaling. J. Biol. Chem. *272*, 27678-27685.
	2.	Attisano, L. and Wrana, J.L. (1998). Mads and Smads in TGFß signaling. Curr. Op. Cell Biol. *10*, 188-194.
	3.	B. Meckelein et al., (1998), Mol. Brain Research, v. 55, pp. 181-197.
AM	4.	Burd et al., (1998), Mol. Cell., 2, 157-162.

EXAMINER _____ DATE CONSIDERED 10/04

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	5.	Chen, Y., Bhushan, A., and Vale, W. (1997b). Smad8 mediates the signaling of the receptor serine kinase. Proc. Natl. Acad. Sci. USA *94*, 12938-12943.
	6.	Chen, Y., Lebrun, J.-J., and Vale, W. (1996). Regulation of transforming growth factor ß- and activin-induced transcription by mammalian Mad proteins. Proc. Natl. Acad. Sci. USA *93*, 12992-12997.
	7.	Dennler, S., Itoh, S., Vivien, D., ten Dijke, P., Huet, S., and Gauthier, J.-M. (1998). Direct binding of Smad3 and Smad4 to critical TGFß-inducible elements in the promoter of human plasminogen activator inhibitor-type 1 gene. EMBO J. *17*, 3091-3100.
	8.	Dyson, S. and Gurdon, J.B. (1998). The Interpretation of Position in a Morphogen Gradient as Revealed by Occupancy of Activin Receptors. Cell *93*, 557-568.
	9.	E. Labbé et al., (1998), Molecular Cell, v. 2, pp. 109-120.
	10.	EMBL Sequence Database Accession No. EMHUM2.AB002303, KIAA0305
	11.	EMBL Sequence Database, Accession No. EMHUM1:AF130419
	12.	Faux, M. and Scott, J.D. (1996). Molecular glue: kinase anchoring and scaffold proteins. Cell *85*, 9-12.
	13.	Gaullier et al., (1998), Nature, 394, 432-433.
	14.	Heldin, C.-H., Miyazono, K., and ten Dijke, P. (1997). TGF-□ signaling from cell membrane to nucleus through SMAD proteins. Nature. *390*, 465-471.
	15.	Henis, Y.I., Moustakas, A., Lin, H.Y., and Lodish, H.F. (1994). The type II and III transforming growth factor-ß receptors form homo-oligomers. J. Cell Biol. *126*, 139-154.
	16.	Hoodless, P.A., Haerry, T., Abdollah, S., Stapleton, M., O'Connor, M.B., Attisano, L., and Wrana, J.L. (1996). MADR1, a MAD-related protein that functions in BMP2 signaling pathways. Cell *85*, 489-500.
	17.	Kim, J., Johnson, K., Chen, H.J., Carroll, S., and Laughon, A. (1997). *Drosophila* Mad binds to DNA and directly mediates activation of *vestigial* by decapentaplegic. Nature *388*, 304-308.
	18.	Kretzschmar, M. and Massagué, J. (1998). SMADs: mediators and regulators of TGF-□ signaling. Current Opinion in Genetics & Development *8*, 103-111.
	19.	Kretzschmar, M., Liu, F., Hata, A., Doody, J., and Massagué, J. (1997). The TGF-ß family mediator Smad1 is phosphorylated directly and activated functionally by the BMP receptor kinase. Genes Dev. *11*, 984-995.

EXAMINER _____ DATE CONSIDERED 10/04

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	Applicants: Jeffrey L. Wrana	TECH CENTER 1600/2900
	Filing Date January 19, 2001	Group

	20.	Labbé, E., Silvestri, C., Hoodless, P.A., Wrana, J.L., and Attisano, L. (1998). Smad2 and Smad3 positively and negatively regulate TGF□-dependent transcription through the forkhead DNA binding protein, FAST2. Molecular Cell in press.
	21.	Lagna, G., Hata, A., Hemmati-Brivanlou, A., and Massagué, J. (1996). Partnership between DPC4 and SMAD proteins in TGF-ß signaling pathways. Nature *383*, 832-836.
	22.	Liu, X., Sun, Y., Constantinescu, S.N., Karam, E., Weinberg, R.A., and Lodish, H.F. (1997b). Transforming growth factor □-induced phosphorylation of Smad3 is required for growth inhibition and transcriptional induction in epithelial cells. Proc. Natl. Acad. Sci. USA *94*, 10669-10764.
	23.	M. Kretzschmar et al., (1998), Current Opinion in Genetics & Development, v. 8, pp. 103-111.
	24.	Macías-Silva, M., Abdollah, S., Hoodless, P.A., Pirone, R., Attisano, L., and Wrana, J.L. (1996). MADR2 is a substrate of the TGFß receptor and its phosphorylation is required for nuclear accumulation and signaling. Cell *87*, 1215-1224.
	25.	Nagase et al., (1997), DNA Research, v. 4, pp. 141-150.
	26.	Nakao, A., Imamura, T., Souchelnytskyi, S., Kawabata, M., Ishisaki, A., Oeda, E., Tamaki, K., Hanai, J.-i., Heldin, C.-H., Miyazono, K., and ten Dijke, P. (1997a). TGF-ß receptor-mediated signaling through Smad2, Smad3 and Smad4. EMBO J. *16*, 5353-5362.
	27.	Nakayama, T., Snyder, M.A., Grewal, S.S., Tsuneizumi, K., Tabata, T., and Christian, J.L. (1998). *Xenopus* Smad8 acts downstream of BMP-4 to modulate its activity during vertebrate embryonic patterning. Development *125*, 857-867
	28.	Nishimura, R., Kato, Y., Chen, D., Harris, S.E., Mundy, G.R., and Yoneda, T. (1998). Smad5 and DPC4 are key molecules in mediating BMP-2-induced osteoblastic differentiation of the pluripotent mesenchymal precursor cell line C2C12. J. Biol. Chem. *273*, 1872-1879.
	29.	Patki et al., (1998), Nature, 394, 433-434.
	30.	Patterson, G., Koweek, A., Wong, A., Liu, Y., and Ruvkun, G. (1997). The DAF-3 Smad protein antagonizes TGF-ß-related receptor signaling in the C. elegans dauer pathway. Genes and Dev.
	31.	Pawson, T. and Scott, J.D. (1997). Signaling through scaffold, anchoring and adaptor proteins. Science *278*, 2075-2080.
	32.	Reddy, A.H. (1998), *Nature Biotechnology*, v. 16, pp. 247-252

EXAMINER _____ DATE CONSIDERED 10/06

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MM	33.	Savage, C., Das, P., Finelli, A., Townsend, S., Sun, C., Baird, S., and Padgett, R.(1996). The *C. elegans sma-2, sma-3* and *sma-4* genes define a novel conserved family of TGF-ß pathway components. Proc. Natl. Acad. Sci. USA *93*, 790-794.
	34.	Sekelsky, J.J., Newfeld, S.J., Raftery, L.A., Chartoff, E.H., and Gelbart, W.M. (1995). Genetic characterization and cloning of Mothers against dpp, a gene required for decapentaplegic function in Drosophila melanogaster. Genetics *139*, 1347-1358.
	35.	Simonsen et al., (1998), Nature, 394, 494-495.
	36.	Souchelnytskyi, S., Tamaki, K., Engström, U., Wernstedt, C., ten Dijke, P., and Heldin, C.-H. (1997). Phosphorylation of Ser^{465} and Ser^{467} in the C Terminus of Smad2 Mediates Interaction with Smad4 and Is Required for Transforming Growth Factor-□ Signaling. J. Biol. Chem. *272*, 28107-28115.
	37.	Stenmark et al., (1996), J. Biol. Chem., v. 271, pp. 24048-24054.
	38.	Tsukazaki, T., Chiang, T.A., Davison, A.F., Attisano, L., and Wrana, J.L. (1998).SARA, a FYVE domain protein that recruits Smad2 to the TGFß receptor. Cell,*95*, 779-791.
	39.	Wiedemann et al., (1998), Nature, 394, 426-427.
	40.	Yingling, J.M., Datto, M.B., Wong, C., Frederick, J.P., Liberati, N.T., and Wang, X.-F. (1997). Tumour Suppressor Smad4 is a Transforming Growth Factor □-Inducible DNA Binding Protein. Mol. Cell. Biol. *17*, 7019-7028.
	41.	Zawel, L., Dai, J.L., Buckhaults, P., Zhou, S., Kinzler, K.W., Vogelstein, B., and Kern, S.E. (1998). Human Smad3 and Smad4 are sequence-specific transcription activators. Mol. Cell *1*, 611-617.
MM	42.	Zhang, Y., Musci, T., and Derynck, R. (1997). The tumor suppressor Smad4/DPC4 as a central mediator of Smad function. Curr. Biol. *7*, 270-276.

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